

# Einar<sup>®</sup> food grade polymer additives

	Application	Effect	Product	Dosage
Polypropylene	Pigments	Dispersion	Einar <sup>®</sup> 101, Einar <sup>®</sup> 103	2 - 5%
	Injection moulding	General purpose antistat	Einar <sup>®</sup> 201, Einar <sup>®</sup> 207	0.1 - 0.5%
		Antistat for impact copolymers	Einar <sup>®</sup> 411	0.3 - 0.5%
		Mould release	Einar <sup>®</sup> 201, Einar <sup>®</sup> 207, Einar <sup>®</sup> 221	0.1 - 0.5%
	Compression moulding	Mould release	Einar <sup>®</sup> 221	0.1 - 0.3%
	Film	Antistat	Einar <sup>®</sup> 411	0.1 - 0.4%
		Coldfog in cast and BOPP film	Einar <sup>®</sup> 618	1.0 - 2.0%
		Hotfog in cast and BOPP film	Einar <sup>®</sup> 422, Einar <sup>®</sup> 618	0.5 - 1.5%
		Antifog coating for BOPP	Einar <sup>®</sup> 1122	
		Antistat coating for BOPP	Einar <sup>®</sup> 1103	
	Foam	Ageing modifier	Einar <sup>®</sup> 201, Einar <sup>®</sup> 207	0.5 - 2.0%
Polyethylene	Pigments	Dispersion	Einar <sup>®</sup> 101, Einar <sup>®</sup> 103	2 - 5%
	Film	Excellent antistat performance in LDPE and LLDPE	Einar <sup>®</sup> 601	0.1 - 0.4%
		Antistat for HDPE	Einar <sup>®</sup> 601	0.3 - 0.6%
		Excellent antifog in coextruded and laminated film	Einar <sup>®</sup> 611, Einar <sup>®</sup> 618	0.2 - 0.4%
		General purpose cold and hotfog	Einar <sup>®</sup> 211, Einar <sup>®</sup> 614	0.2 - 0.6%
	Greenhouse film	Antifog for multi season greenhouses	Einar <sup>®</sup> 632	1-3%
		Antifog for small tunnel and mulch film	Einar <sup>®</sup> 611, Einar <sup>®</sup> 614	0.5-1.5%
	Injection moulding	Effective antistat	Einar <sup>®</sup> 601	0.5 - 1.0%
		Mould release	Einar <sup>®</sup> 201, Einar <sup>®</sup> 207	0.2 - 0.6%
	Foam	Ageing modifier	Einar <sup>®</sup> 201, Einar <sup>®</sup> 207	0.5 - 2.0%
		Antistat	Einar <sup>®</sup> 601	0.2 - 0.5%
PET	Extrusion and thermoforming	Efficient slip additive	Einar <sup>®</sup> 621	0.5 - 2.0%
		Antifog coating	Einar <sup>®</sup> 1122	
		Antistat coating	Einar <sup>®</sup> 1103	
EPS	Coating additives	Antistat	Einar <sup>®</sup> 501	0.1 - 0.6%
		Cooling time enhancer	Einar <sup>®</sup> 511	0.1 - 0.4%
		Antistat and cooling time combo product	Einar <sup>®</sup> 531	0.2 - 0.5%
		Antistat and cooling time combo product	Einar <sup>®</sup> 533	0.2 - 0.5%
PVC	Injection moulding	Antistat	Einar <sup>®</sup> 601	0.5 - 1.0%
		Mould release	Einar <sup>®</sup> 201, Einar <sup>®</sup> 207	0.2 - 0.8%
		Lubricant and processing aid	Einar <sup>®</sup> 201, Einar <sup>®</sup> 303	0.2 - 1.0%
	Film	Antistat	Einar <sup>®</sup> 601	0.5 - 1.0%
		Antifog	Einar <sup>®</sup> 211, Einar <sup>®</sup> 614	0.3 - 1.0%
		Antifog coating	Einar <sup>®</sup> 1122	
		Antistat coating	Einar <sup>®</sup> 1103	
PC	Injection moulding	Mould release for optical media grade PC	Einar <sup>®</sup> 207	0.05 - 0.15%
		General purpose mould release	Einar <sup>®</sup> 621	0.1 - 0.3%

Find out more at [polymers.palsgaard.com](http://polymers.palsgaard.com)

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## Imagine this: Polymer agents you can eat

Two trends dominate the polymer business today: Safety and sustainability. Of course, consumers want polymer products such as food film, canisters, bottles and containers for their convenience and hygiene.

But they also worry about the environment and about harmful substances coming into contact with their food – and producers need to take such concerns seriously. The polymer industry needs sustainable alternatives to petrochemical-based products that do not compromise the quality and functionality of the end products.

## We have the answer: Einar<sup>®</sup> from Palsgaard

Palsgaard's Einar<sup>®</sup> series of functional agents for masterbatches and polymer applications are based on food-grade vegetable oils such as sunflower oil, rapeseed oil and RSPO-certified segregated palm oils.

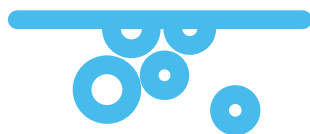
With Einar<sup>®</sup>, you can market your packaging solutions and masterbatches with a sustainable profile while retaining the efficiency and attractive appearance of your products.

## Dedicated R&D and application lab

With production in Denmark, the Netherlands and Malaysia, Palsgaard covers most of the globe – and at our dedicated polymer application lab in Denmark our scientific staff and product specialists are always ready to assist you in developing and testing new polymer applications.



Einar<sup>®</sup> dispersing aids



Einar<sup>®</sup> antifogging agents



Einar<sup>®</sup> antistatic agents

Find out more at [polymers.palsgaard.com](http://polymers.palsgaard.com)

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